MOP0105004C2

Service Manual

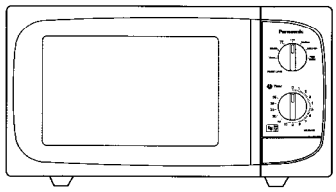
Microwave Oven

NN-K101W BPQ

19L

White

United Kingdom



SPECIFICATIONS

Power Source	230V AC Single Phase 50Hz
Power Requirements	Max 2200W (Microwave 1200W: Heater 1100W)
Microwave Energy	800W (IEC-705)
Microwave Frequency	2,450 MHz
Timer	35 Min
Cavity	19L
Outside dimensions	465mm (W), X 346mm (D), X 279mm (H)
Inside Dimensions	290mm (W), X 306mm (D), X 220mm (H)
Weight	13.5 Kg
	Specifications subject to change without notice.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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IMPORTANT SAFETY NOTICE

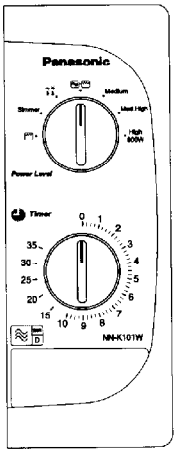
There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. Control Panel and Operation Sequence

FEATURES	NN-K101W(BPQ)
Mechanical Timer	Yes
Mechanical Varipower	Yes

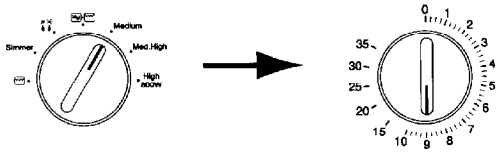
1.1 Control Panel

(1) Timer/Easy Defrost Dial
(2) Microwave Power Selection Dial
(3) Door Release Pad



1.2 Microwave Cooking

Wattage	
High	800 Watts
Med.High	700 Watts
Medium	580 Watts
Defrost ( )	330 Watts
Simmer	210 Watts

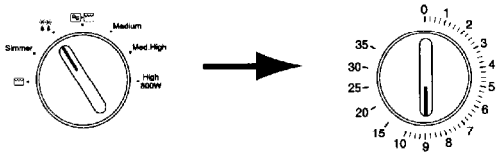


Turn dial to select power level.

Set cooking time by turning the dial. If the door is already closed cooking will begin immediately. For short cooking times always turn the dial to 4 mins and then adjust to time required.

NOTES:
1. When food is removed from the oven after cooking is complete, check the timer is in the zero position.
2. The glass turntable must always be in position when using the oven.

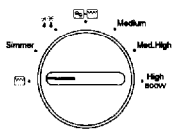
1.3 Defrosting



Select Defrost power by turning the dial.

Set cooking time by turning the dial.

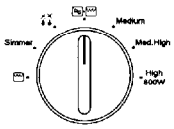
1.4 Grilling



Select Grill power by turning the dial

Set Cooking time by turning the dial

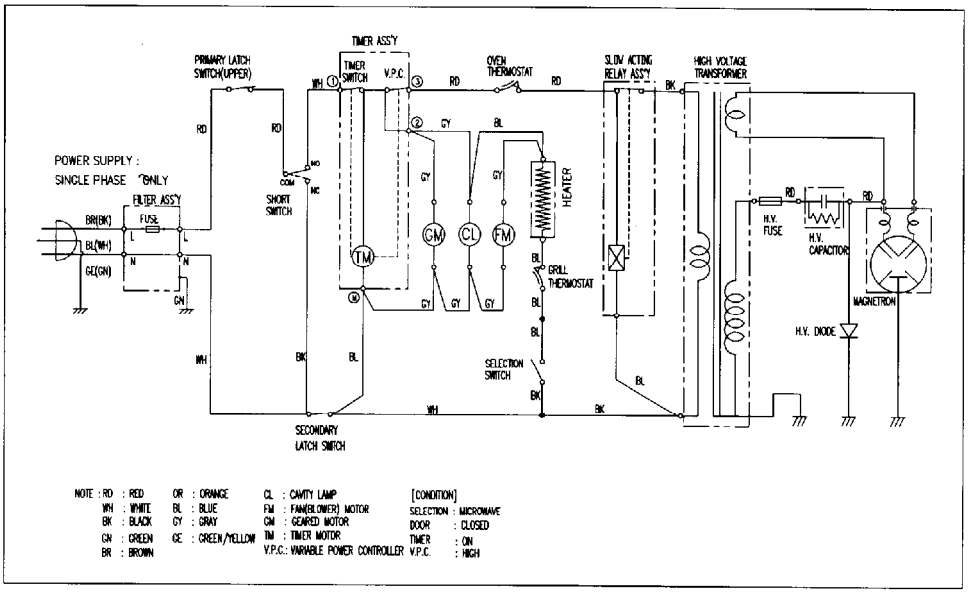
1.5 Combination

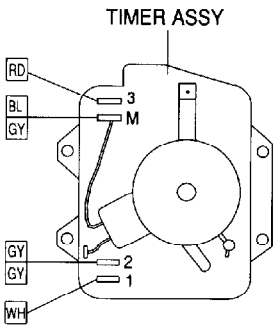


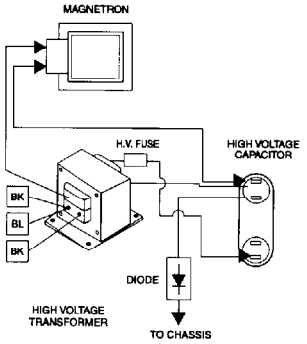
Select Combi power by turning the dial

Set cooking time by turning the dial

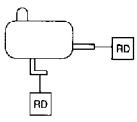
2. Schematic Diagram



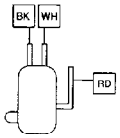




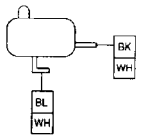
SYMBOL	COLOR
BK	BLACK
GY	GRAY
GN	GREEN
RD	RED
BL	BLUE
WH	WHITE



PRIMARY LATCH SWITCH



SHORT SWITCH



SECONDARY LATCH SWITCH

3. Description of Operating Sequence

3.1 Variable power cooking control

The vari-power controller controls the ON-OFF time of the vari-power switch to vary the output power of the microwave oven from "warm" to "high". The vari-power controller is a part of the timer assembly. The timer assembly consists of timer motor, timer switch, vari-power switch and the combination of gears, cam and actuator lever.

One complete cycle of the vari-power controller is 30 seconds, in which the vari-power switch is turned "on" or "off" by the cam rotation in the 30±2 second period.

By controlling the timing of the vari-power switch "on" period, the 230V AC supplied to the high voltage transformer is interrupted intermittently so that the average output power of the microwave oven is varied.

The table shows the timing chart of vari-power switch operation in respect to the power setting on the control panel.

NOTE: The ON/OFF time ratio does not correspond with the percentage of microwave power since approximately 2 seconds are required for heating of magnetron filament.

POWER SETTING	OUTPUT POWER APPROX.	ON/OFF TIME OF VARI-POWER SWITCH	
		ON(SEC)	OFF(SEC)
HIGH	800W	30	0
MED. HIGH	700W	26.4	3.6
MEDIUM	580W	21.9	8.1
DEFROST	330W	12.3	17.7
SIMMER	210W	7.8	22.2

4. Cautions to be Observed When Troubleshooting

Unlike many other appliances, the microwave oven is high-voltage, high-current equipment. Though it is free from danger in ordinary use, extreme care should be taken during repair.

CAUTION
Servicemen should remove their watches whenever working close to or replacing the magnetron.

4.1 Check the earthing

Do not operate on a 2-wire extension cord. The microwave oven is designed to be used in a completely earthed condition. It is imperative, therefore, to make sure it is properly earthed before beginning repair work.

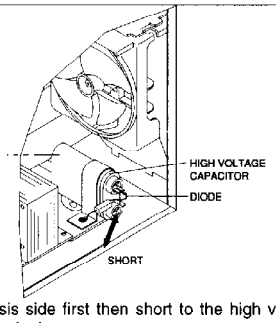
4.2 If the door lock, the door switch, the door seal or the door develops a malfunction, be sure not to operate the oven until complete repairs are made

If the oven is operated with any of these parts in imperfect condition, hazardous microwave leakage may occur.

WARNING
Never operate the oven until the following are confirmed:
- The door is tightly closed.
- There is no broken hinge or door arm.
- The door seal is not damaged.
- The door is not bent or warped.
- There is no other visible damage.

4.3 Warning about the electric charge in the high voltage capacitor

For about 30 seconds after the oven is turned off, an electric charge remains in the high voltage capacitor. When replacing or checking parts, remove the power plug from the wall outlet, wait 30 seconds and short the terminal of the high voltage capacitor (Terminal of lead wire from diode) to chassis ground with an insulated jumper lead wire or an insulated handle screw driver to discharge.



Touch chassis side first then short to the high voltage capacitor terminal

IMPORTANT NOTE
High voltage above 250 volts exists on the following parts during operation.
- Magnetron
- High Voltage Transformer
- High Voltage Diode
- High Voltage capacitor

Pay special attention during repair or troubleshooting in these areas.
If the microwave oven is operated with incorrectly installed door hinge or magnetron, it can cause microwave leakage of over 5mW/cm². Hence it is absolutely necessary to check if magnetron and door hinge are correctly and safely installed after repairs or replacement.

WARNING
Never touch any circuit wiring with your hand nor with an insulated tool during operation.

4.4 When parts must be replaced, remove the power plug from the outlet and discharge the high voltage capacitor

4.5 Confirm after repair

1. After repair or replacement of parts, make sure that the screws of the oven, etc. are neither loose nor missing. Microwaves might leak if screws are not properly tightened.
2. Make sure that all electrical connections are tight before inserting the plug into the wall outlet.

4.6 Avoid inserting nails, wire, etc. through any holes in the unit during operation

Never insert a wire, nail or any other metal object through the lamp holes on the cavity or any other holes or gaps, because such objects may work as an antenna and cause microwave leakage.

4.7

CAUTION
MICROWAVE RADIATION
Personnel should not be exposed to the microwave energy which may radiate from the magnetron or other microwave generating device if it is improperly used or connected. All input and output microwave connections waveguides, flanges and gasket must be secure. Never operate the device without a microwave energy absorbing load attached. Never look into an open waveguide or antenna while the device is energized.

4.8

CAUTION
High voltage parts may become uncovered when outer cabinet is removed.

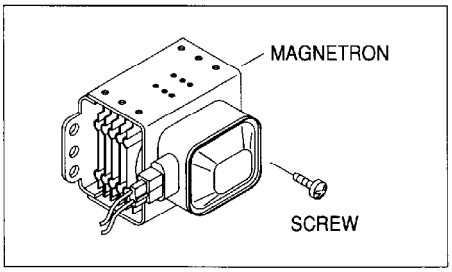
5. Parts Replacement Procedure

5.1 Magnetron

1. Discharge the high voltage capacitor.
2. Disconnect 2 high voltage lead wires from the magnetron filament terminals.
3. Remove 1 screw holding the magnetron.

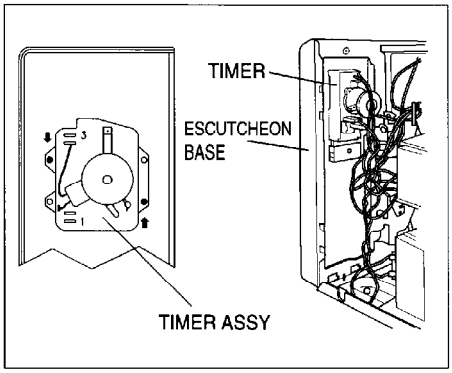
NOTE: After replacement of the magnetron, tighten mounting screws properly making sure there is no gap between the waveguide and the magnetron to prevent microwave leakage.

CAUTION
When replacing the magnetron, be sure the antenna gasket is in place.



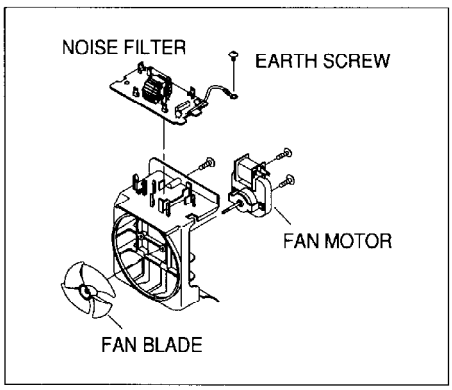
5.2 Timer

1. Disconnect all lead wires from timer.
2. Remove 2 screws holding the timer and timer knob.



5.3 Fan motor

1. Disconnect 2 lead wires from fan motor terminals.
2. Remove a screw holding earth wire of noise filter.
3. Remove a screw which secure the wind guide assembly.
4. Draw forward the wind guide assembly.
5. Remove fan blade from the fan motor shaft by pulling it straight out.
6. Remove two screws which secure the fan motor.



5.4 Door disassembly

1. Remove door C from door E by inserting a flat blade screwdriver between them.

NOTE: Door C is attached to door E by catch hooks. Care should be taken not to damage them when removing.

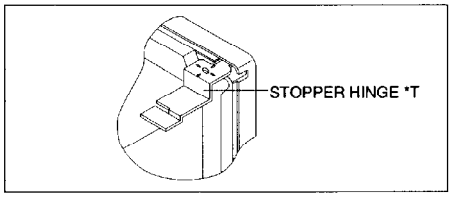
2. Separate door A from door E and releasing from catch hooks using flat bladed screwdriver.

NOTE: Care should be taken to avoid damage to catch hooks during removal.

3. Separate door screen B from door A
4. Remove door key and door key spring.

After replacement of the defective component parts of the door, reassemble it and follow the instructions below for proper installation and adjustment so as to prevent an excessive microwave leakage.

1. When mounting the door to the oven, be sure to adjust the door parallel to the bottom line of the oven face plate by moving the upper hinge and lower hinge in the direction necessary for proper alignment.
2. Adjust so that the door has no play between the inner door surface and oven front surface. If the door assembly is not mounted properly, microwave power may leak from the clearance between the door and oven.
3. Perform the microwave leakage test.



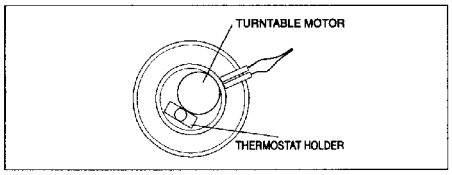
5.5 Turntable motor

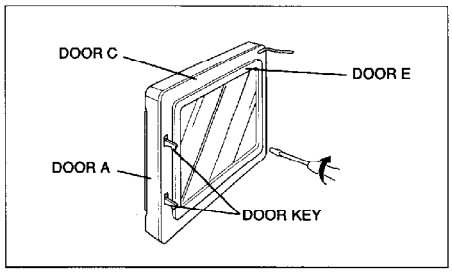
1. Remove the motor cover by breaking off at the 6 spots indicated by arrows with a cutter or similar tool.

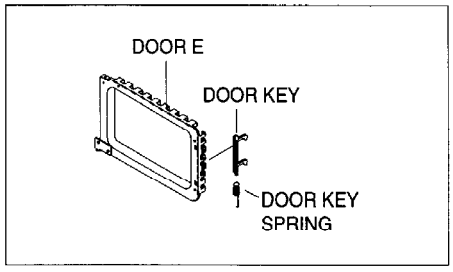
NOTE: After breakng off the motor cover, make sure that cut-off portions are properly trimmed off or bend to inside so that no sharp edge will expose to outside.

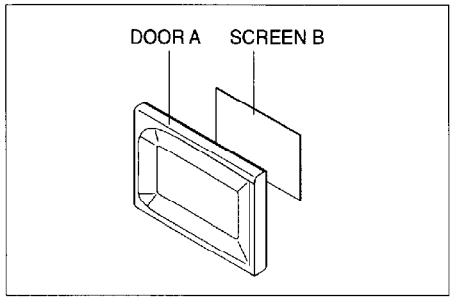
2. Disconnect 2 lead wires connected to the turntable motor.
3. Remove the turntable motor by removing 1 screw.

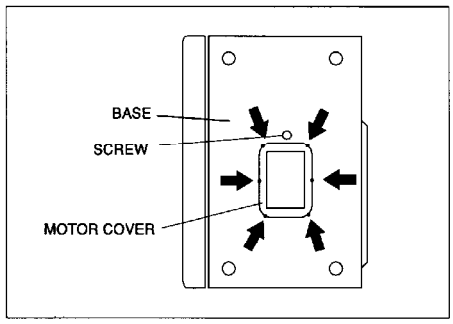
NOTE: To reinstall the motor cover, use 4x6 screws.





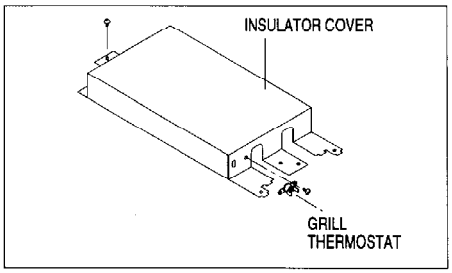






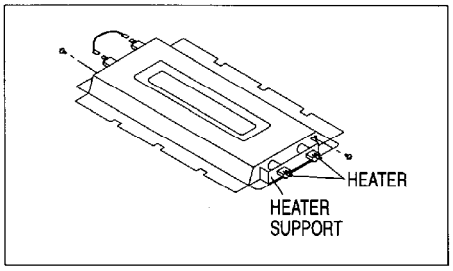
5.6 Grill Thermostat

1. Disconnect 2 lead wires from grill thermostat.
2. Remove a screw holding grill thermostat.



5.7 Quartz heater

1. Disconnect 3 lead wires from heater terminals
2. Remove a screw and a insulator cover
3. Remove 2 screws holding heater support
4. Remove the heater by pulling it out



6. Component Test Procedure

CAUTION

1. High voltage is present at the high voltage terminal of the high voltage transformer during any cook cycle.
2. It is neither necessary nor advisable to attempt measurement of the high voltage.
3. Before touching any oven components, or wiring, always unplug the oven from its power source and discharge the high voltage capacitor.

6.1 Primary latch switch, secondary latch switch interlocks

1. Unplug lead connectors to primary latch switch and secondary latch switch.
2. Test the continuity of switches at door opened and closed positions with ohmmeter(low scale).
   Normal continuity readings should be as follows.

	DOOR OPENED	DOOR CLOSED
PRIMARY LATCH SWITCH	∞ Ω(Open)	0 Ω(Closed)
SECONDARY LATCH SWICTH	∞ Ω(Open)	0 Ω(Closed)

6.2 Short switch

1. Unplug lead wires from H.V.transformer primary terminals.
2. Connect test probes of ohmmeter to the disconnected leads which were connected to the H.V. transformer.
3. Test the continuity of short switch with door opened and closed positions with ohmmeter (low scale).
   Normal continuity readings should be as follows.

	DOOR OPENED	DOOR CLOSED
(COM-NO)	∞ Ω	0 Ω
(CON-NC)	0 Ω	∞ Ω

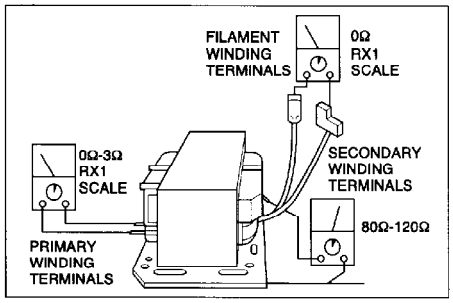
NOTE: In this case, the ohmmeter indicates some resistance of the part(s) such as oven lamp,blower fan motor, etc. connected in parallel with the monitor circuit.

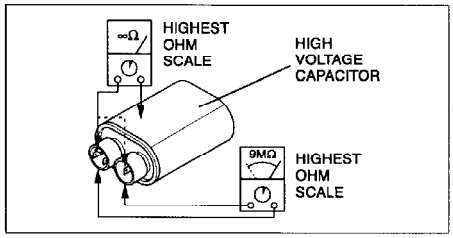
6.3 High voltage transformer

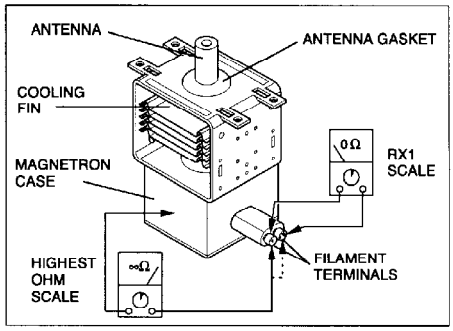
1. Remove connections from the transformer terminals and check continuity.
2. Normal continuity readings should be as follows.
   Secondary winding ..... Approx. 120 Ω -160 Ω
   Filament winding ..... Approx. 0 Ω
   Primary winding ..... Approx.1 Ω - 4 Ω

6.4 High voltage capacitor

1. Check continuity of capacitor with meter on highest OHM scale.
2. A normal capacitor will show continuity for a short time, and then indicate about 10MΩ once the capacitor is charged.
3. A shorted capacitor will show continuous continuity.
4. An open capacitor will show constant about 10MΩ
5. Resistance between each terminal and chassis should be infinite.







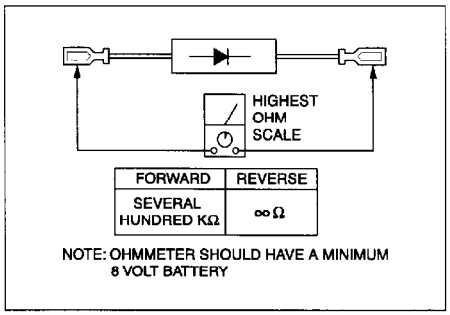
6.5 Magnetron

Continuity checks can only indicate an open filament or a shorted magnetron. To diagnose for an open filament or shorted magnetron.

1. Isolate magnetron from the circuit by disconnection the leads.
2. A continuity check across magnetron filament terminals should indicate one ohm or less.
3. A continuity check between each filament terminal and magnetron case should read open.

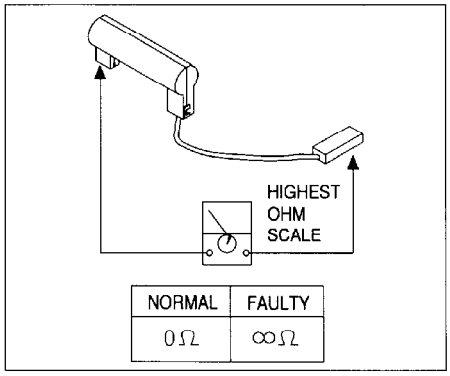
6.6 Diode

1. Isolate the diode from the circuit by disconnecting the leads.
2. With the ohmmeter set the highest resistance scale, measure the resistance across the diode terminals. Reverse the meter leads and again observe the resistance reading.
   Meter with 6V, 9V or higher voltage batteries should be used to check the front to back resistance of the diode, otherwise an infinite resistance may be read in both directions. A normal diode's resistance will be infinite in one direction and several hundred KΩ in the other direction.



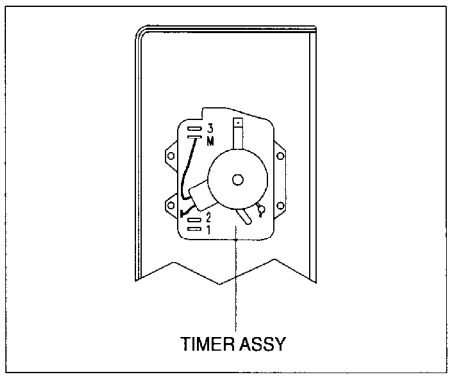
6.7 HV Fuse

1. Isolate the HV Fuse assembly from the circuit by disconnecting its leads.
2. With the ohmmeter set at the highest resistance scale, measure the resistance across the HV Fuse terminals.
   A normal HV Fuse's resistance will be 0Ω.
   It is faulty if it shows ∞Ω



6.8 Variable power controller(Timer assy)

1. In order to check if variable power controller is operating normally, follow the test procedure below.
   (a) Select any power other than "High"and start the oven.
   (b) Check continually between terminal(M) and terminal(3) of timer assy.
   (c) Variable power controller (timer assy) is working properly if the AC volt meter reads 0Vac and 230Vac within 30±2 seconds interval.



7. Measurements and Adjustments

7.1 Installation of primary latch switch, secondary latch switch and short switch

1. When mounting primary latch switch, secondary latch switch and short switch to door hook assembly, mount the primary latch switch, the secondary latch switch and the short switch to the door hook assembly as shown in the illustration.

NOTE: No specific adjustment during installation of primary latch switch, secondary latch switch and short switch to the door hook is necessary.

7.2 Measurement of microwave output

The output power of the magnetron can be determined by performing IEC standard test procedures. However, due to the complexity of IEC test procedures, it is recommended to test the magnetron using the simple method outlined below.

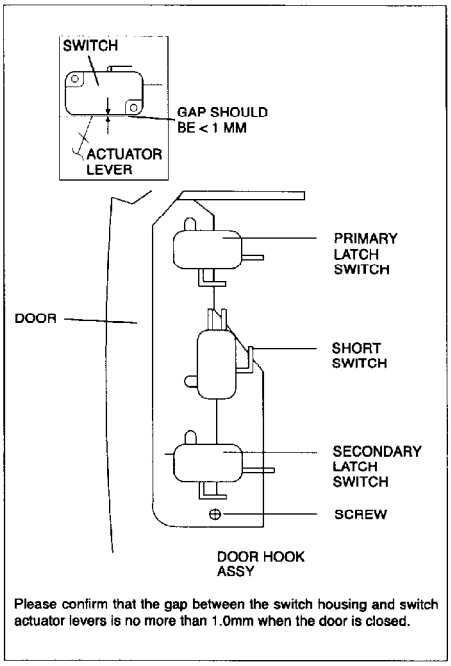
Necessary equipment:

- 1 litre beaker
- Glass thermometer
- Wrist watch or stopwatch.

NOTE: Check the line voltage under load to ensure it meets specifications. Low voltage will cause reduction in the magnetron output. Temperature readings and heating time should be as accurate as possible.

Output power performance test procedure

1. Fill the beaker with exactly one litre of tap water. Stir the water using the thermometer and note the temperature (record as T1)
2. Place the beaker on the centre of glass cook plate.
3. Set to high power and heat for exactly one minute.
4. Stir the water again with the thermometer and note the temperature (record as T2).
5. The normal temperature rise (T1-T2), should be more than 7.0˚C using the high power selection with the oven operating at specified line voltage.



Please confirm that the gap between the switch housing and switch actuator levers is no more than 1.0mm when the door is closed.

8. Troubleshooting Guide

CAUTION

1. Check the unit is grounded before commencing any troubleshooting.
2. Do not take measurements in the high voltage circuit.
3. Discharge the high voltage capacitor.
4. When checking the continuity of the switches or the high voltage transformer, disconnect one lead wire from these parts and then check continuity with the AC plug removed. To do otherwise may result in a false reading or damage to your meter.
5. Do not touch any parts of the circuitry on the digital programmer circuit, since static electric discharge may damage this control panel. Always connect yourself to ground to discharge any static from your body.

First of all operate the oven by following the operation procedures exactly in order to find the symptom.

9.1 (TROUBLE 1) Oven does not start

	SYMPTOMS	CAUSE	CORRECTIONS
1	Oven is dead. Fuse is OK.	1. Open or loose lead wire harness.	
		2. Open oven thermostat. 3. Defective timer switch.	Check fan motor when oven thermostat is defective.
2.	Oven lamp and fan motor does not rotate.	1. Misalignment or loose wiring of primary latch switch.	Adjust door and latch switches.
		2. Defective latch switch.	
3.	Oven lamp and fan motor operate normally but no microwave oscillation.	1. Off-alignment of latch switches.	Adjust door and latch switches.
		2. Defective slow acting Relay	
		3. Defective or loose wiring of variable power controller.	
		4. Defective variable power controller(Timer Assy).	Refer to component test procedure.
		5. Open or loose connection of high voltage circuit especially magnetron filament circuit. NOTE: Large contact resistance will bring lower magnetron filament voltage and cause magnetron to have lower output and/or be intermittent.	
		6. Defective high voltage component H.V.Transformer H.V. Capacitor H.V.Diode Magnetron	Check high voltage component according to component test procedure and replace if it is defective.

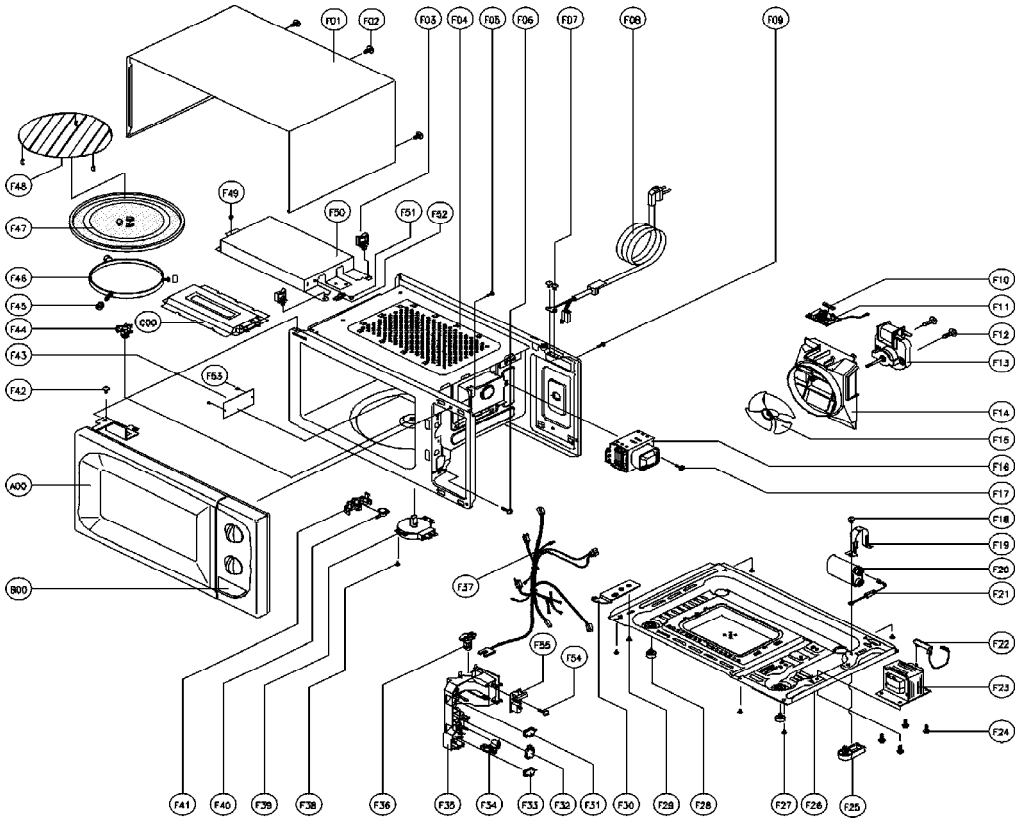
8.2 (TROUBLE 2) Fuse is blown

	SYMPTOMS	CAUSE	CORRECTIONS
1	Fuse is blown.	1. Shorted lead wire harness.	
		2. Defective short switch.	Check adjustment of latch switches and door.
		3. Defective primary latch switch	
		4. Shorted H.V. capacitor	
		5. Shorted H.V. diode.	Replace H.V. diode and HV Fuse (NOTE)
		6. Defective magnetron.	Replace magnetron and HV Fuse (NOTE)
		7. Shorted H.V. transformer.	Replace H.V. transformer and HV Fuse (NOTE)
		8. Opened H.V. fuse	
		NOTE: Be sure to replace HV fuse together with those H.V. components. In this case, only HV Fuse may be opened due to faulty H.V. component. Therefore, if HV fuse is not replaced together, high voltage transformer will be damaged (overheated).	

8.3 (TROUBLE 3) Other troubles

	SYMPTOMS	CAUSE	CORRECTIONS
1	Microwave output is low. Oven takes longer time to cook food.	1. Decrease in power source voltage.	Consult electrician.
		2. Open or loose wiring of magnetron filament circuit. (Intermittent oscillation)	
		3. Ageing change of magnetron.	
2	Loud buzzing noise can be heard.	1. Loose fan and fan motor.	
		2. Loose screws on H.V. transformer.	
		3. Defective H.V. transformer.	
3	Oven stops operation during cooking.	1. Off-alignment of latch switches.	Adjust door and latch switches.
		2. Open or loose wiring of primary and secondary latch switch.	
		3. Operation of oven thermostat	
4	Turntable motor does not rotate.	1. Open or loose wiring of turntable motor.	
		2. Defective turntable motor.	

9. Main Exploded View

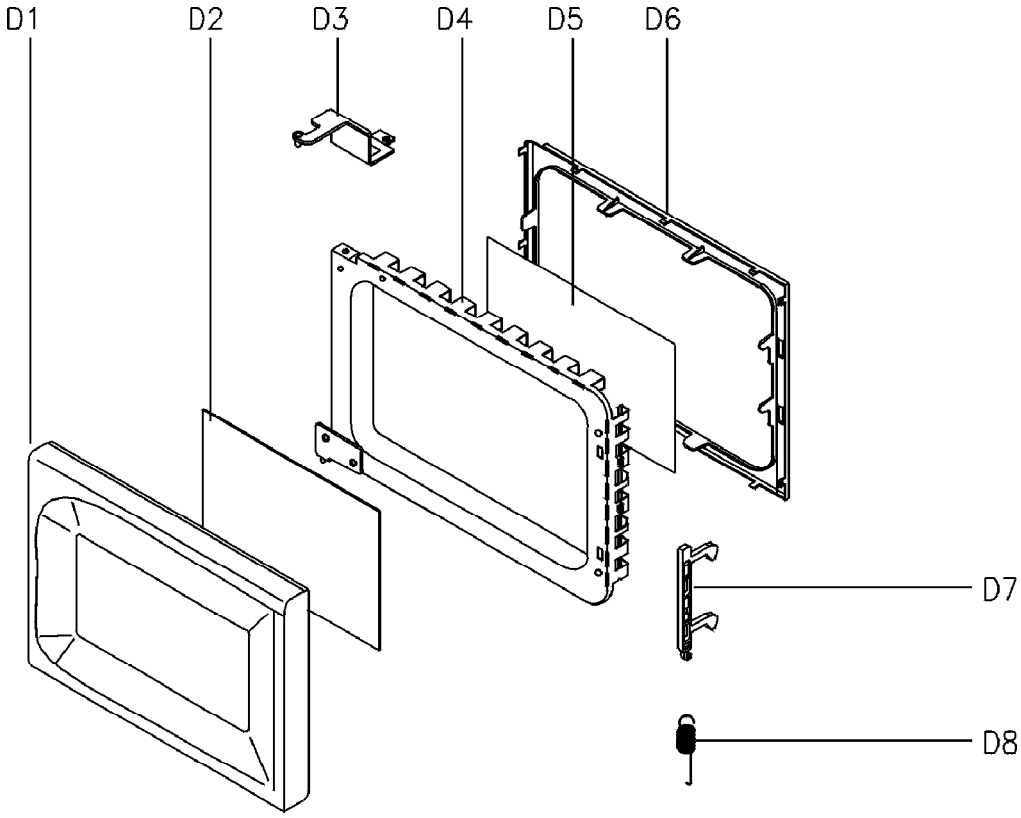


10. Main Parts List

Ref. No.		Part No.	Part Name & Description	Qty	Remarks
A00		3511715220	Door As	1	kor-63GP0S
B00		3516724340(UK)	Control-panel As	1	kog-57g70s
C00	⚠	3512803600	Heater *t As	1	kog-57350s
F01		3510803800	Cabinet Painting As	1	kor-61150s
F02		7112401011	Screw Tapping	3	t1 trs 4*10 Mfzn
F03		4413A90012	Clamp Power Cord	2	nylon 66
F04		3516111910	Cavity As	1	kog-57gp0s
F05		7122401211	Screw Tapping	1	t2s trs 4*12 mfzn
F06		7122401211	Screw Tapping	1	t2s trs 4*12 mfzn
F07		7112401011	Screw Tapping	2	t1 trs 4*10 mfzn
F08	⚠	35113EAQPD(uk)	Cord Power As	1	3x1.5 80x80 100-rtml
F09		7122401211	Screw Tapping	1	t2s trs 4*12 mfzn
F10	⚠	4415D67620	Fuse	1	250v 15a 65ts
	⚠	4415D67120	Fuse	1	250v 15a mda
F11	⚠	3518606100	Noise-filter	1	dwlf-m13
F12		7121403011	Screw Tapping	2	t2s pan 4x30 mfzn
F13	⚠	3963513100	Motor Shaded Pole	1	230v 17w oem-10dwc2-a07
	⚠	3963512310	Motor Shaded Pole	1	230v 20w mw10ca-m02
F14		3512517000	Guide Wind	1	pp
F15	⚠	3511800300	Fan	1	pp+30%glass
F16	⚠	3518002400	Magnetron	1	2m218j (f)
F17		3516004000	Special Screw	1	t2 bolt flange 5x12 dacro

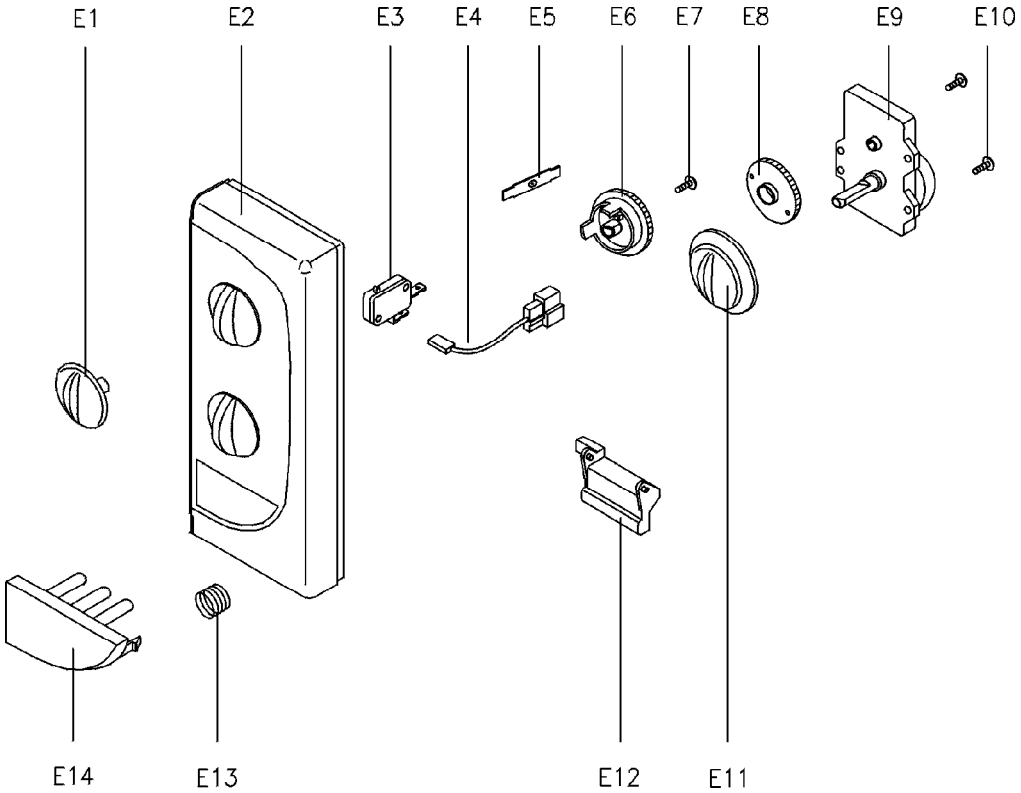
Ref. No.		Part No.	Part Name & Description	Qty	Remarks
F18		7S422X4081	Screw Special	1	tt2 trs 4x8 se mfzn
F19		3513003200	Holder Hv Capacitor	1	secc t0.6
F20	⚠	3518302200	Capacitor Hv	1	2100vac 0.98? #187
F21	⚠	3518400900	Diode Hv As	1	hvr-1x-30r #187
	⚠	3518401000	Diode Hv As	1	esjc13-12bx #187
F22	⚠	3518701100	Fuse Hv	1	5kv 0.55a hv-41a55-02
F23	⚠	3518116820	Trans Hv	1	dw-n80s0-63t1
	⚠	3518116810	Trans Hv	1	jy-n80s0-63t1
F24		3516003700	Special Screw	4	tt3 hex 4x8 flg mfzn
F25		3511409300	Cover Screw	1	pp
F26		3510311700	Base	1	secc t0.6
F27		7112401011	Screw Tapping	5	t1 trs 4*10 mfzn
F28		3512100900	Foot	2	pp dasf-130
F29		7S422X4081	Screw Special	1	tt2 trs 4x8 se mfzn
F30		3515201101	Stopper Hinge *u	1	scp-1 t2.5
F31	⚠	5s752310G0	Sw Micro	1	szm-v15-fa-63
F32	⚠	5s752G10G0	Sw Micro	1	szm-v15-fa-61
F33	⚠	5s752310G0	Sw Micro	1	szm-v15-fa-63
F34		3513702600	Lever Lock	1	pom
F35		3513811700	Lock	1	pom black
F36	⚠	3513601600	Lamp	1	bl 240v 25w t25 c7a h187
F37	⚠	3512717620	Harness Main	1	kog-57g70s
F38		7112401011	Screw Tapping	1	t1 trs 4x10 mfzn
F39	⚠	3966310100	Motor Syncro	1	220v 2.5w gm-16-24fd12
F40	⚠	3518905300	Thermostat	1	off:75 on:65 H #187 NB
F41	⚠	3513003400	Holder Thermostat	1	pbt
F42		3516003700	Special Screw	1	tt3 hex 4x8 flg mfzn
F43		3511405100	Cover Wave Guide	1	mica t0.35
F44	⚠	3517400620	Coupler	1	xarec
F45		3514700710	Roller	3	teflon
F46		3512517300	Guide Roller	1	pp 5113mf6 a353b
F47		3517203600	Tray	1	glass
F48		3517208000	Tray Rack As	1	kog-57gp0s
F49		7112401011	Screw Tapping	1	T1 TRS 4X10 MFZN
F50		3511408200	Cover Insulator *t	1	SBHG T0.5
F51		7112401011	Screw Tapping	1	T1 TRS 4X10 MFZN
F52	⚠	3518905900	Thermostat	1	75/65 V #187
F53		4414H50000	Fixture As	2	kog-36150s
F54		7122401211	Screw Tapping	1	t2s trs 4*12 mfzn
F55	⚠	3518570400	Switch S/a Relay	1	dwsr-1

11. Door Assembly



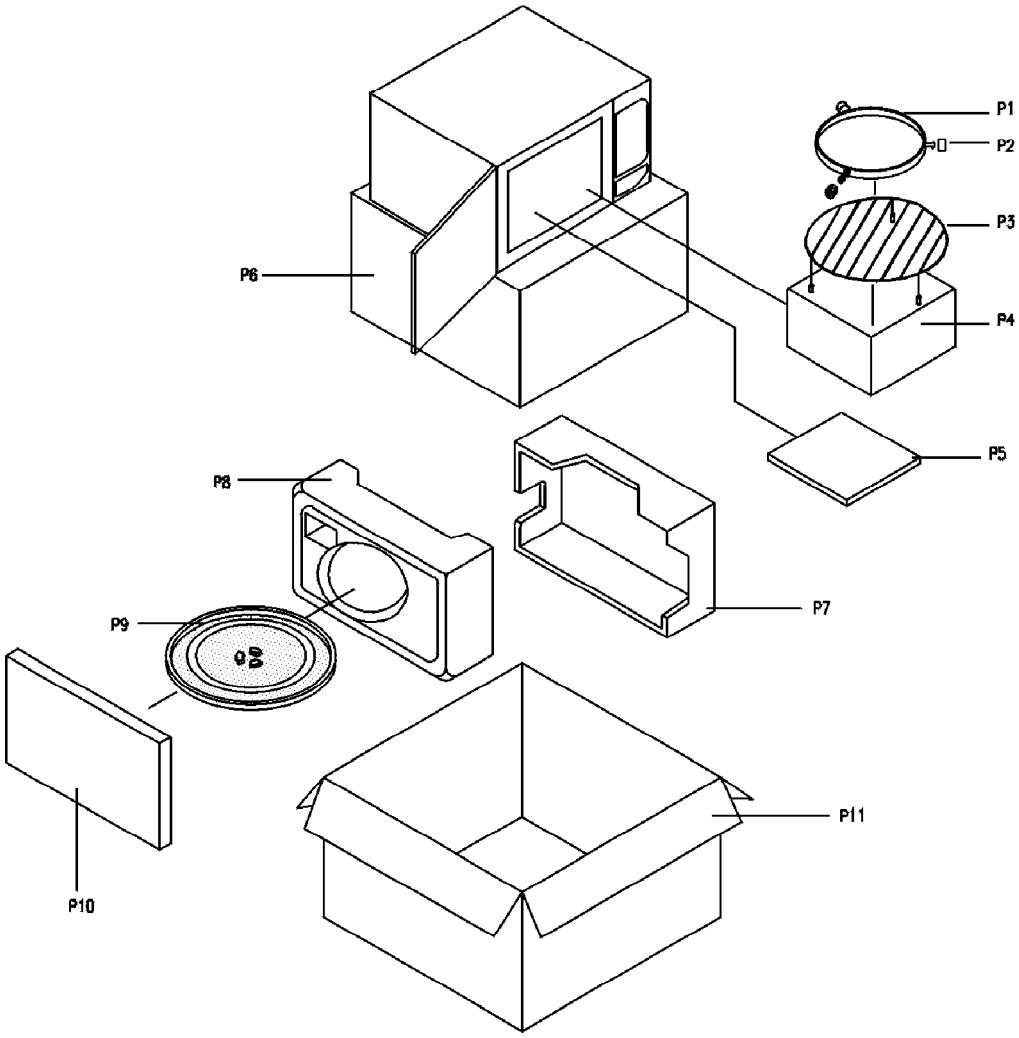
Ref. No.		Part No.	Part Name & Description	Qty	Remarks
D1		3512205210	FRAME DOOR (door a)	1	
D2		3517007300	BARRIER-SCREEN *O (screen b)	1	
D3		3515204100	STOPPER HINGE *T AS	1	
D4		3511706100	DOOR PAINTING AS (door e)	1	
D5		3517002800	BARRIER-SCREEN *I	1	
D6		3512300200	GASKET DOOR (door c)	1	
D7		3513100700	HOOK (door key)	1	
D8		3515101300	SPRING HOOK (door key spring)	1	

12. Escutcheon Base Assembly



Ref. No.		Part No.	Part Name & Description	Qty	Remarks
E1		3513405510	KNOB VPC	1	
E2	⚠	3516725390(UK)	CONTROL-PANEL(ESCUTCHEON BASE)	1	
E3	⚠	4415A17352	SW MICRO (SELECTION SW)	1	
E4	⚠	3512766301	HARNESS TIMER	1	
E5		3515101600	SPRING FLAT	1	
E6		3517400510	COUPLER VPC TIMER	1	
E7		7122401211	SCREW TAPPING	1	
E8		3517400400	COUPLER TIMER	1	
E9	⚠	3518203800	TIMER	1	
E10		7122401211	SCREW TAPPING	2	
E11		3513405410	KNOB	1	
E12		3513702700	LEVER DOOR OPEN	1	
E13		441G430171	SPRING BUTTON	1	
E14		3516906960	BUTTON DOOR OPEN	1	

13. Packing and Accessories



Ref. No.		Part No.	Part Name & Description	Qty	Remarks
P1		3512517300	GUIDE ROLLER	1	
P2		3514700710	ROLLER	3	
P3		3517208000	TRAY RACK	1	
P4		3510200510	BAG TRAY RACK	1	
P5		3513913700	MANUAL INSTRUCTION	1	
P6		3510202010	BAG SET	1	
P7		3511505401	CUSHION *L	1	
P8		3511505301	CUSHION *R	1	
P9		3517203600	TRAY	1	
P10		3514101400	PAD TRAY	1	
P11		3510504700	BOX SET	1	